

ABSTRACT OF THE DISCLOSURE

A library manager holds related program fragments, for example, control logic fragments and visualization program fragments sharing the same control variables, in library files. Multiple copies of control logic program fragments are instantiated to develop a control program and of the control variable tags for each copy of the control logic program fragments are renamed to prevent conflicts. At a later time, visualization program fragments related to the control logic program fragments are identified by their common origin in the library manager. The control variables of these visual program fragments may then be automatically renamed by using their library files as a guide. The library files may also hold related non-program information.

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